

Listing of Claims

1. - 21. (canceled)

22. (new) A method for using a screen assembly on a vibratory separator... the

23. - 34. (new) The method of claim 22 wherein ...

35. (new) The method of claim 34 wherein ...

36. (new) A method for using a screen assembly on a vibratory separator...

37. (new) The method of claim 36 wherein ...

38. - 40. (new) The method of claim 36 wherein ...

41. (new) A method for using a screen assembly on a vibratory separator...

Pending Claims

1 22. (new) A method for using a screen assembly on a vibratory separator, the
2 screen assembly having non-flat areas of screening material thereon, the non-flat
3 areas of screening material between lines of glue gluing together a plurality of layers
4 of screening material, the plurality of glued-together layers of screening material
5 secured to a frame, the frame comprising two ends, each end connected to and
6 spaced-apart by one of two spaced-apart sides, the two spaced-apart sides including
7 a first side and a second side and the frame including a plurality of spaced-apart
8 crossmembers, each crossmember extending from the first side to the second side,
9 the method comprising

10 mounting the screen assembly on a vibratory separator, the
11 vibratory separator located in an environment at an ambient temperature,
12 vibrating the screen assembly with the vibratory separator for a
13 period of time,

14 feeding material to be treated onto the screen assembly, the
15 material to be treated at a material temperature above the ambient temperature,
16 the period of time of such a temporal length and the material
17 temperature of such a temperature to effect flattening of the non-flat areas of
18 screening material.

23. (new) The method of claim 22 wherein the material temperature is at
least five degrees above the ambient temperature.

24. (new) The method of claim 22 wherein the material temperature is at
least 100°F.

25. (new) The method of claim 22 wherein the material is drilling fluid from
a drilled wellbore, the drilling fluid having solid drilled cuttings therein.

26. (new) The method of claim 22 wherein the glue is cured moisture-curing
hot melt glue.

27. (new) The method of claim 22 wherein the glue is applied in a pattern.

28. (new) The method of claim 22 wherein the ends and sides are tubular
members.

29. (new) The method of claim 22 wherein the glued-together layers of

screening material are secured to the frame with epoxy.

30. (new) The method of claim 22 wherein the glued-together layers of screening material are secured to the frame with glue.

31.(new) The method of claim 22 wherein the glued-together layers of screening material are secured to the spaced-apart crossmembers with epoxy.

32. (new) The method of claim 22 wherein the glued-together layers of screening material are secured to the spaced-apart crossmembers with glue.

33. (new) The method of claim 22 wherein at least one of the plurality of spaced-apart crossmembers has at least one notch for receiving a portion of an upstanding member of a deck of the vibratory separator, the method further comprising

installing the screen assembly on the deck of the vibratory separator with a portion of the upstanding member projecting into the at least one notch.

34. (new) The method of claim 22 wherein the plurality of layers of screening material comprises at least a lower layer of coarse mesh and at least one layer of fine mesh.

35. (new) The method of claim 34 wherein the non-flat areas of screening material comprise portions of the at least one layer of fine mesh.

36. (new) A method for using a screen assembly on a vibratory separator, the screen assembly having non-flat areas of screening material, the non-flat areas of screening material between lines of glue gluing together a plurality of layers of screening material, the plurality of glued-together layers of screening material secured to a frame, the glue comprising moisture-curing hot melt glue, the method comprising

mounting the screen assembly on a vibratory separator, the vibratory separator located in an environment at an ambient temperature,

vibrating the screen assembly with the vibratory separator for a period of time,

feeding material to be treated onto the screen assembly, the material to be treated at a material temperature above the ambient temperature,

the period of time of such a temporal length and the material temperature of such a temperature to effect flattening of the non-flat areas of

14 screening material.

1 37. (new) The method of claim 36 wherein the screen assembly is made by
2 a production method and wherein the vibratory separator includes vibration apparatus
3 for vibrating the screen assembly to impart vibratory forces to the screen assembly for
4 vibrating the screen assembly during use of the screen assembly on the vibratory
5 separator, the production method comprising

6 applying glue in a glue pattern to at least one layer of the
7 screening material, the screening material useful for screening fluid introduced
8 to a vibratory separator, said applying done by powered moving mechanical
9 glue application means,

10 applying the glue in an amount sufficient so that said screen
11 assembly while in use on the vibratory separator is able to withstand vibratory
12 forces imparted thereto by the vibration apparatus of the vibratory separator,
13 heating the glue, and

14 moving with powered mechanical screen movement apparatus at
15 least one layer of screening material beneath the powered moving mechanical
16 glue application means.

38. (new) The method of claim 36 wherein the material is drilling fluid from
a drilled wellbore, the drilling fluid having solid drilled cuttings therein.

39. (new) The method of claim 36 wherein the frame is comprised of two
ends, each end connected to and spaced-apart by one of two spaced-apart sides,
wherein the ends and sides are tubular members, and wherein the two spaced-apart
sides include a first side and a second side and the frame includes a plurality of
spaced-apart crossmembers, each crossmember extending from the first side to the
second side.

40. (new) The method of claim 36 wherein at least one of the plurality of
spaced-apart crossmembers has at least one notch for receiving a portion of an
upstanding member of a deck of the vibratory separator, the method further
comprising

installing the screen assembly on the deck of the vibratory
separator with a portion of the upstanding member projecting into the at least

one notch.

41. (new) A method for using a screen assembly on a vibratory separator, the vibratory separator having a deck with an upstanding member, the screen assembly having a plurality of layers of screening material, the plurality of layers of screening material connected together and secured to a frame, the frame comprising two ends, each end connected to and spaced-apart by one of two spaced-apart sides, the two spaced-apart sides including a first side and a second side and the frame including a plurality of spaced-apart crossmembers, each crossmember extending from the first side to the second side, wherein at least one of the plurality of spaced-apart crossmembers has at least one notch for receiving a portion of the upstanding member of the deck of the vibratory separator, the method comprising

installing the screen assembly on the deck of the vibratory separator with a portion of the upstanding member projecting into the at least one notch to facilitate correct and stable emplacement of the screen assembly on the deck and,

vibrating the screen assembly with the vibratory separator, and feeding material to be treated onto the screen assembly.